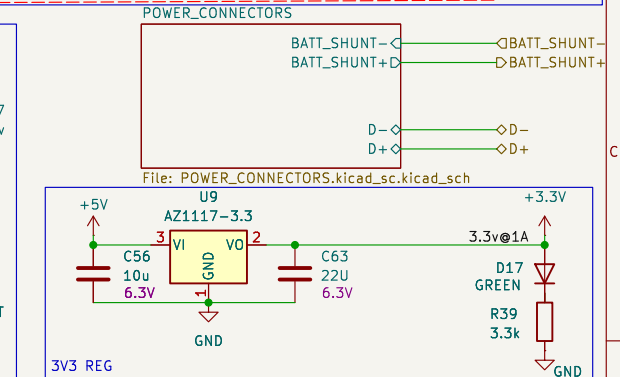
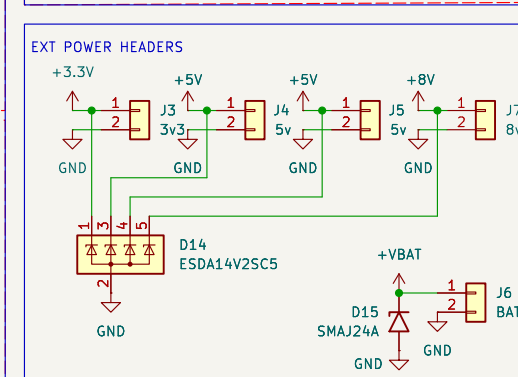
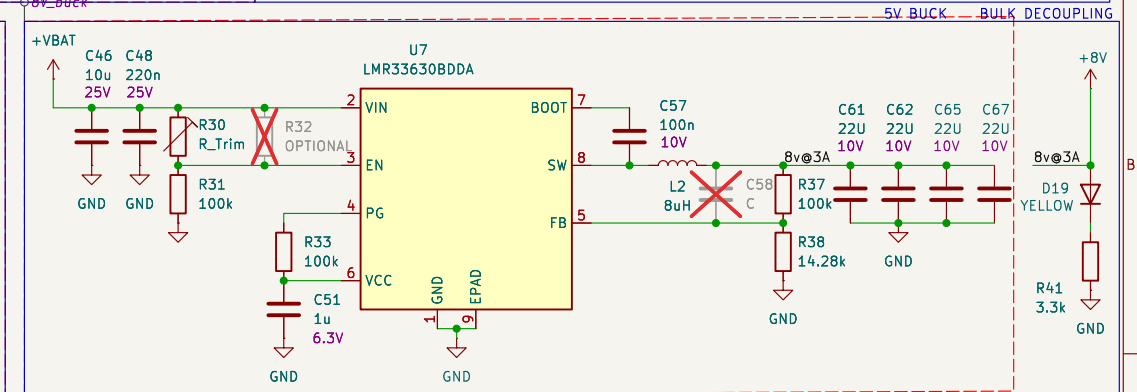
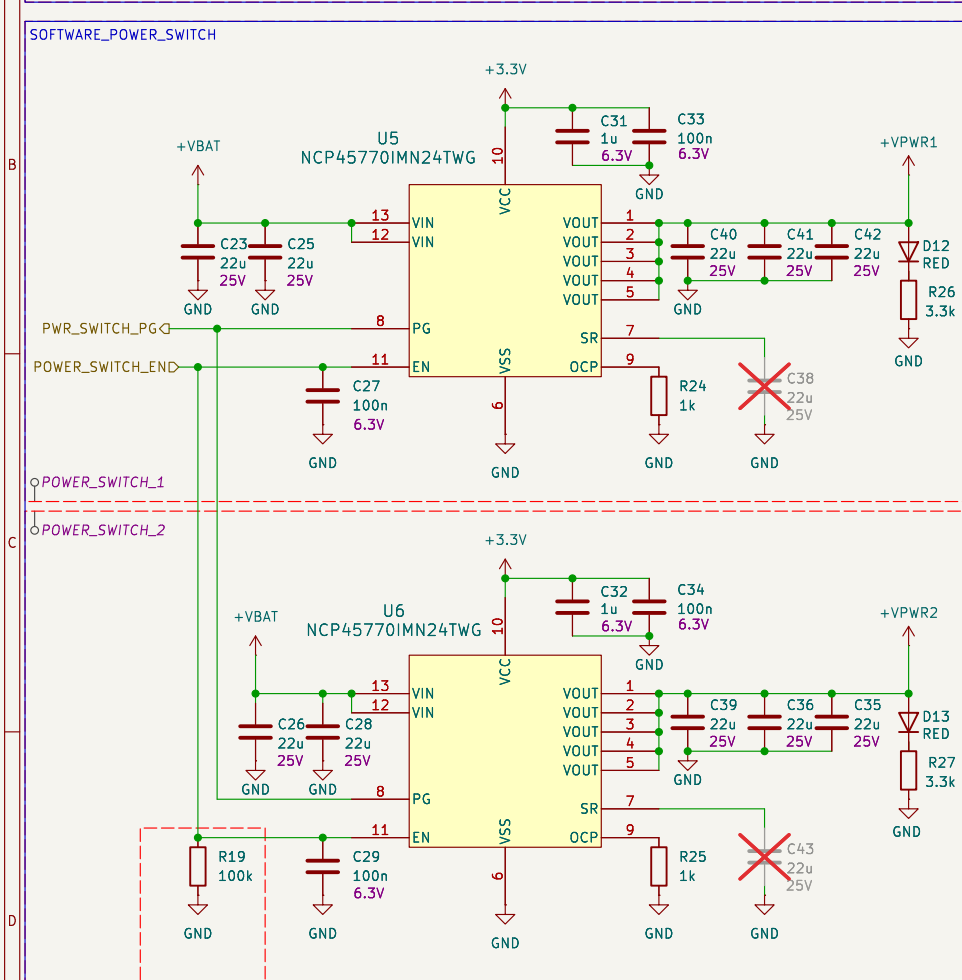
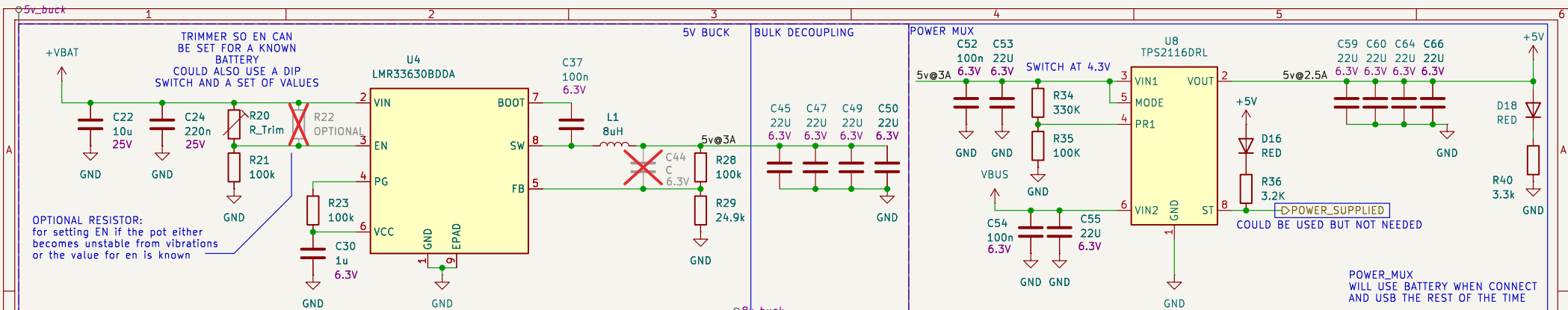
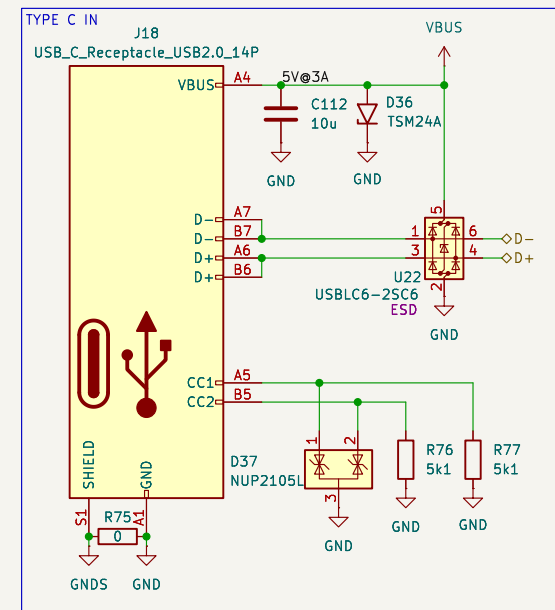
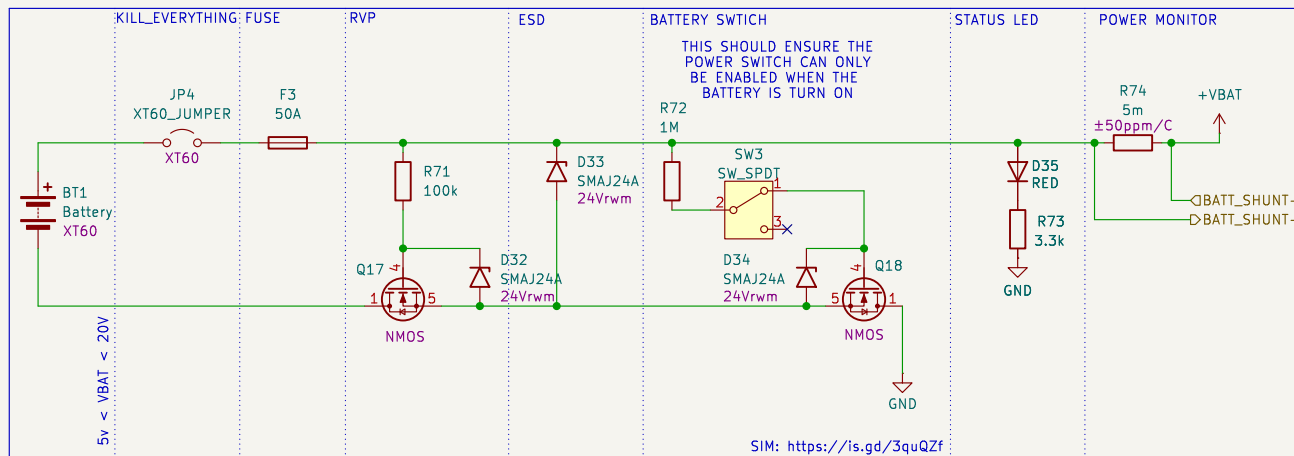


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THE REASON FOR THE POWER MUX IS PR1 WILL SWITCH @ 1V USB VOLTAGE IS A MIN OF 4.5V IF PASSED THROUGH AN OR-ING DIODE THEN IT WILL DROP IT ENOUGH TO NOT CLEAR THE 4.3V MIN REQUIRED BY THE AZ1117-3.3

PR1 WILL SWITCH @ 1V VOLTAGE DIV WILL SWAP TO VIN2 WHEN VIN1 REACHES 4.3V THE POINT WHERE THE 3.3V REG WILL DROP TOO MUCH VOLTAGE HOWEVER IT IS SUGGESTED THESE ARE REMOVED ONCE TESTING IS DONE



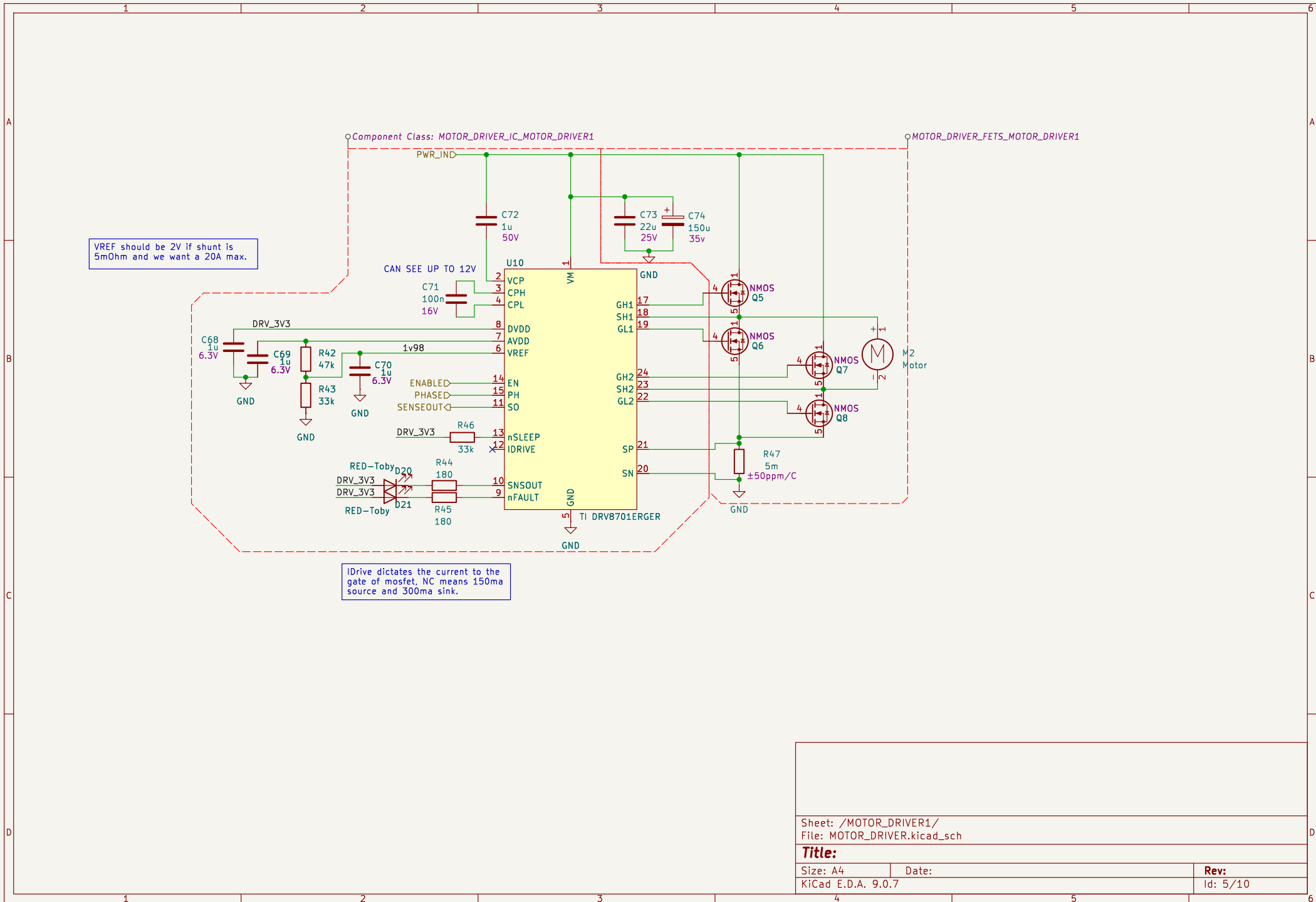
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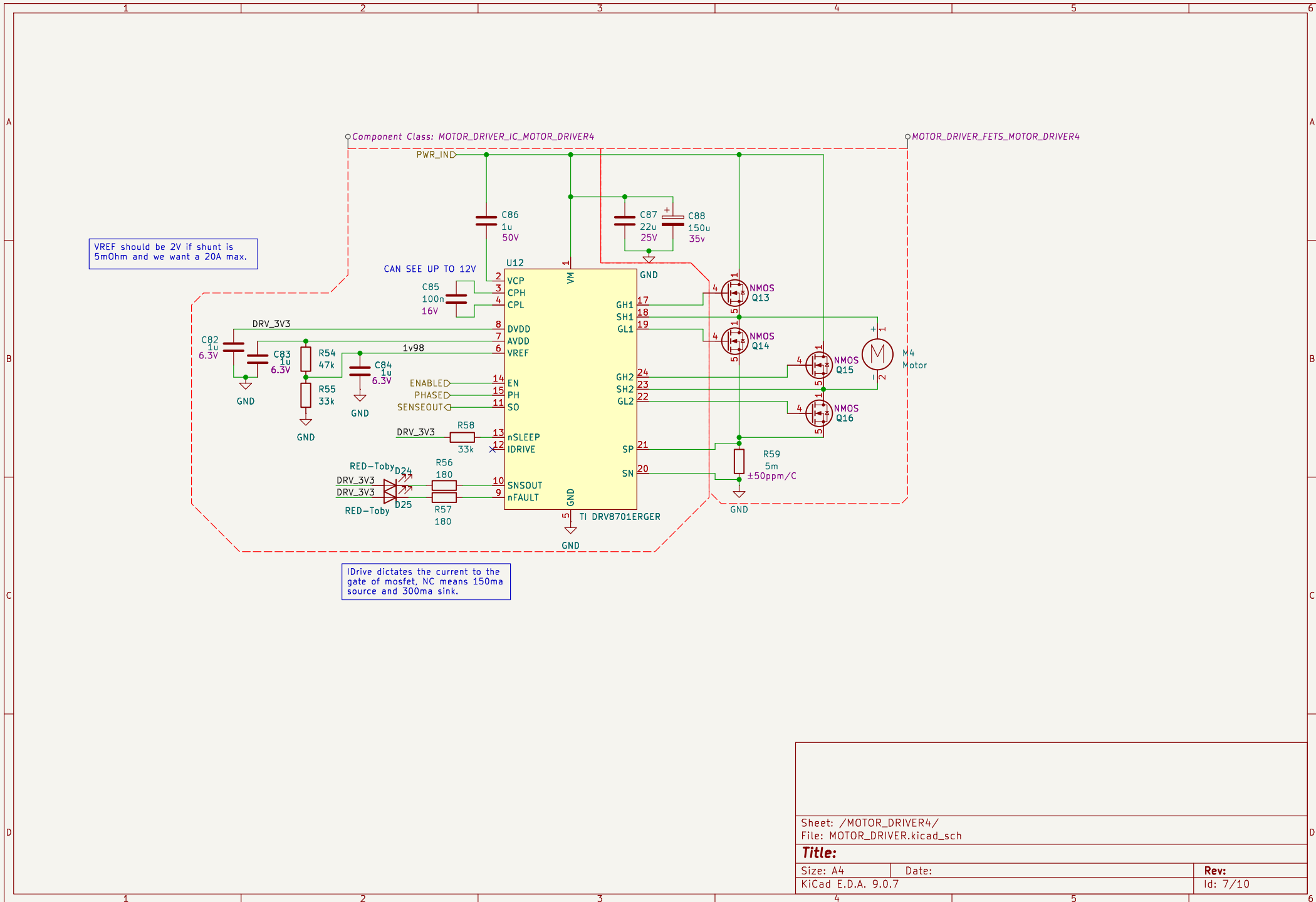
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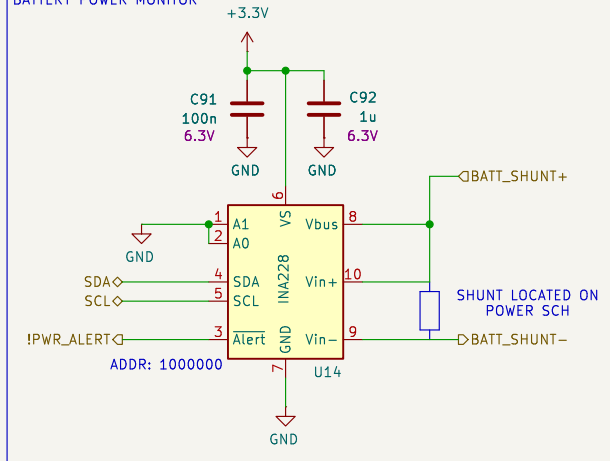
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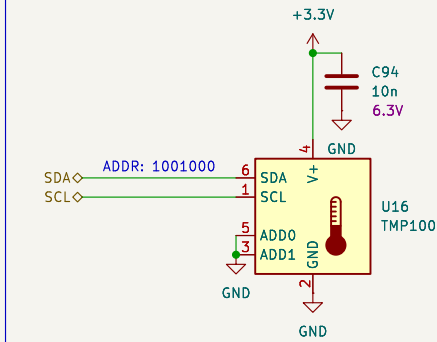
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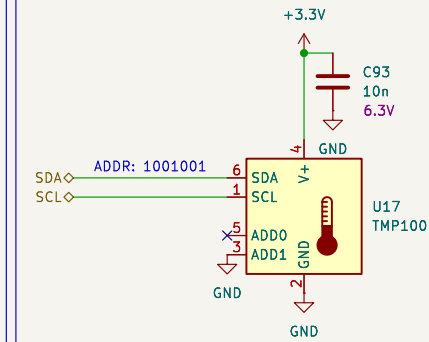
BATTERY POWER MONITOR



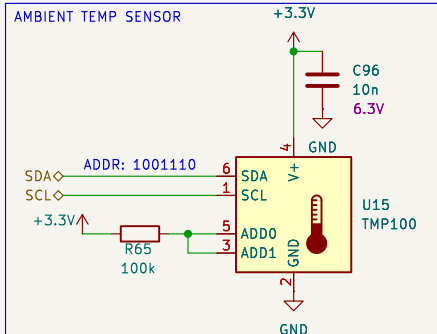
MOTOR DRIVER MOSFET TEMP MEASUREMENT SENSOR



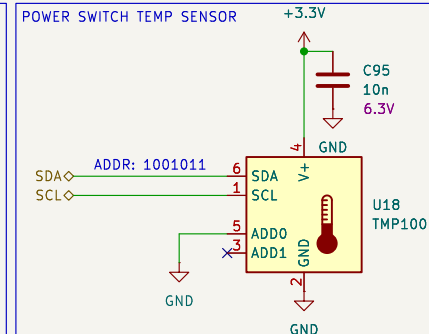
POWER MUX TEMP SENSOR



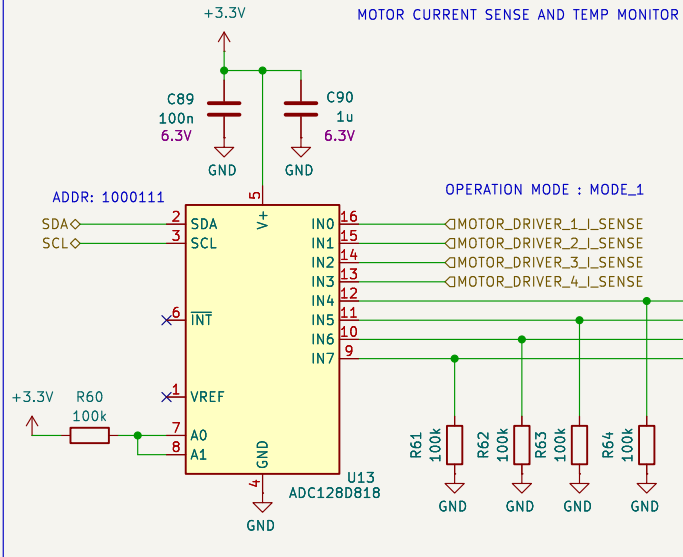
AMBIENT TEMP SENSOR



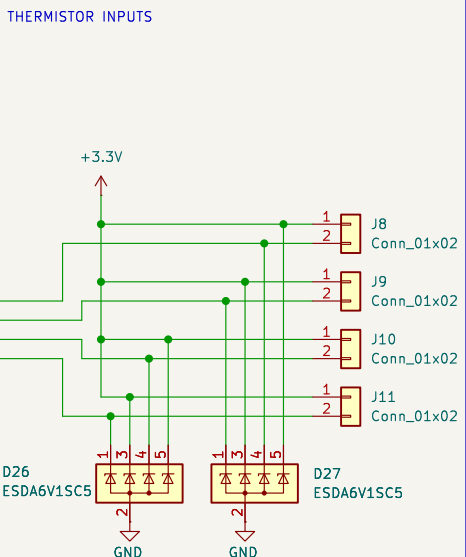
POWER SWITCH TEMP SENSOR



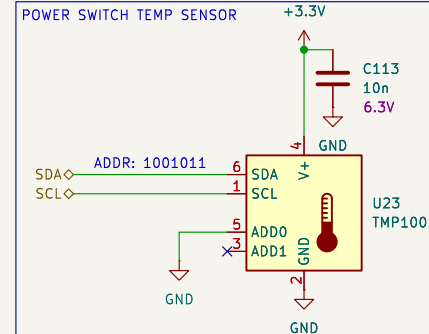
MOTOR CURRENT SENSE AND TEMP MONITOR



THERMISTOR INPUTS



POWER SWITCH TEMP SENSOR

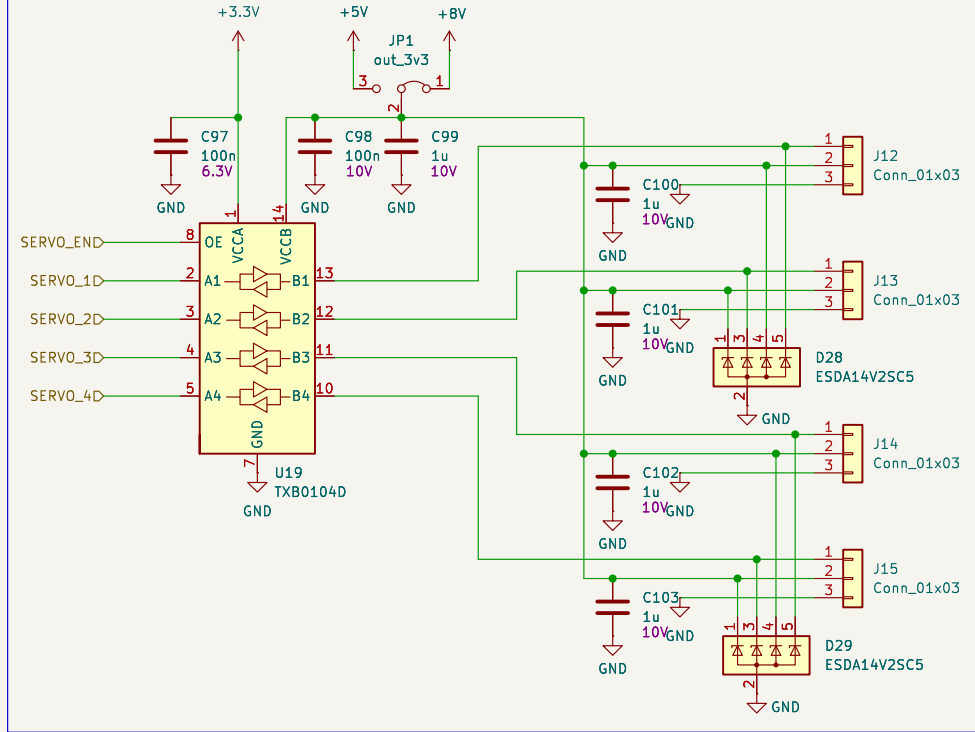


points to measure temp:
software controlled power switch
power mux
motor drivers

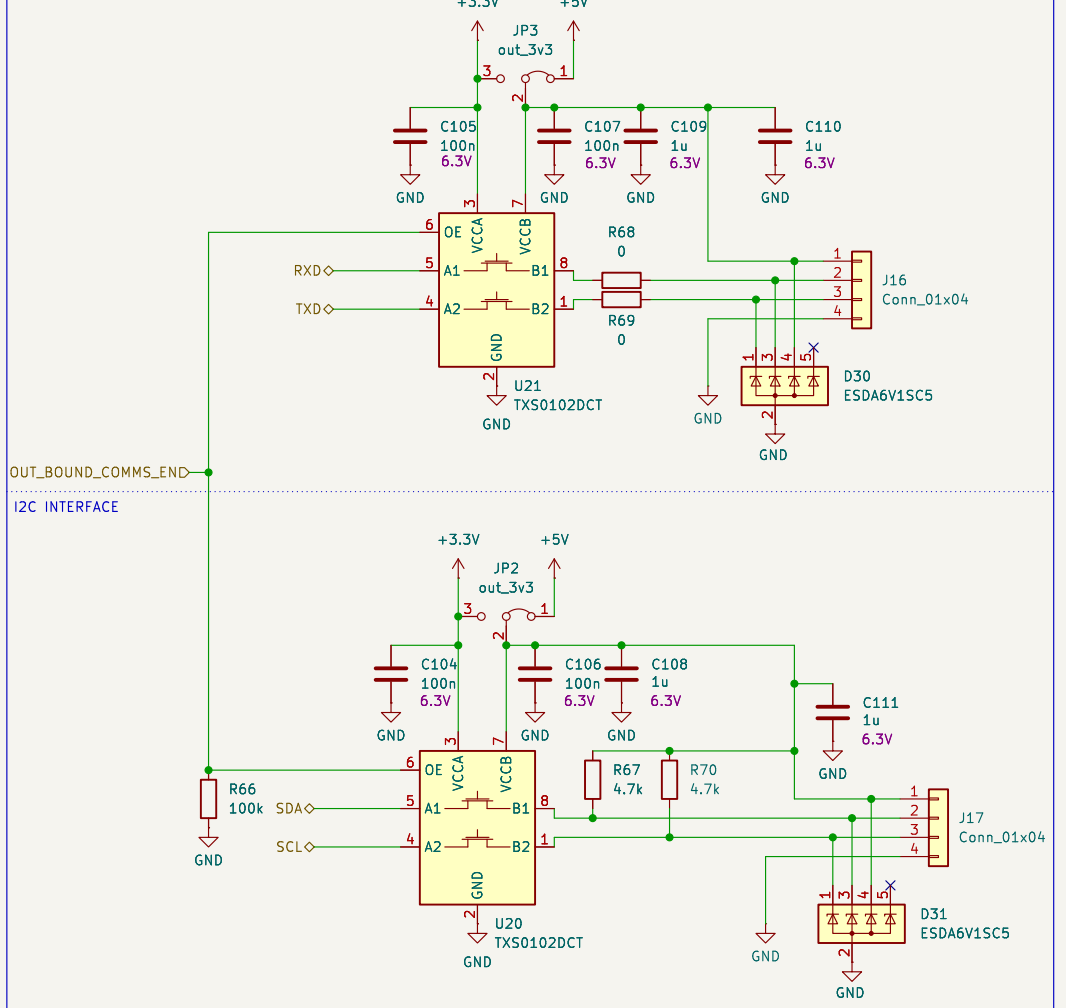
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SERVO INTERFACE



UART INTERFACE



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